SITE INSPECTION REPORT

BOISE CASCADE COMPANY

Yakima, Washington

WAD980185805

PHASE 1

1987

Hazardous Waste Cleanup Program

PRELIMINARY ASSESSMENT / SITE INSPECTION UNIT

State of Washington

Booth Gardner

Governor

Department of Ecology

Andrea Beatty Riniker

Director

PHASE ONE SITE INSPECTION REPORT

BOISE CASCADE
YAKIMA COUNTY
YAKIMA, WASHINGTON
WAD980185805

SEPTEMBER, 1987

Report Prepared by:

Suzanne E. Milham
Hazardous Waste Cleanup Program
Washington State Department of Ecology
Site Discovery and Investigations Subunit

Boise Cascade - Yakima Site
Yakima County, Washington
WAD980185805

Site Name/Address

Boise Cascade - Yakima Site
805 North 7th Street
Yakima, Washington 98901

Investigation Participants

Suzanne E. Milham
Washington State Department of Ecology
(206) 459-6319

Principal Site Contacts

Gretchen Hoy, Environmental Engineer
P.O. Box 8328
Boise, ID 83707
(208) 384-6458

Dick Godfrey
805 North 7th Street
Yakima, WA 98901
(509) 453-3131

Date of Inspection

August 1, 1986

Introduction

Boise Cascade-Yakima has been identified by the Region X Environmental Protection Agency (EPA) and the Washington State Department of Ecology (Ecology) from Preliminary Assessment (PA) screening as requiring additional information to accurately profile the nature and extent of past waste disposal activities. According to the 1984 PA, 9000 pounds of caustic material was landfilled on-site. This report summarizes the results of Ecology's phase one site inspection and is divided into the following sections:

Note: This narrative section was revised in September 1987 by Hector Douglas.

1.0 Site Owner and Operator

This facility is owned and operated by the Timber and Wood Products Group of Boise Cascade Company, 805 North 7th Street, Yakima, Washington 98901.

Headquarters: P.O. Box 8328
Boise, ID 83707
(208) 384-6458

2.0 Site History and Background of Operations

This facility is a lumber mill and plywood/veneer manufacturer with large log storage areas. It is estimated that this facility has been in operation since the 1940s.

In 1981, a 103(c) notification filed by Boise indicated that asbestos insulation and 9,000 pounds of mixed caustics were landfilled on-site. These wastes were disposed of along with sludges and ash from air stripper and boilers. Waste water from the plywood plant goes to an evaporation pond which is unlined. Boise also has a NPDES permit for discharge to city sewers.

3.0 Environmental Setting

The Boise Cascade-Yakima site is located at 805 North 7th Street, Yakima, Washington 98901.

Latitude: 463730.0 Longitude: 1203625.0
Section 18, Township 13 North, Range 19, East Willamette Meridian.

The site is located in a mixed residential/commercial area of Northeast Yakima adjacent to the Yakima River. There are three parks and five schools within one mile.[1]

There are several large process buildings on-site and approximately 3-4 acres of log storage yards. The total size of the site is estimated to be approximately 15 acres.

3.1 Climate

This area receives approximately eight inches of total precipitation annually with a mean annual lake evaporation of 42 inches.[2] Approximately 75 percent of the precipitation falls in the period of October through March. The average temperature during December, 1984 was 20.1°F and during August, 1984 it was 69°F.[3] The highest temperature during 1984 was on July 25, at 99°F and the lowest was December 18 at -10°F.[3]

3.2 Geology and Hydrology

Well logs indicate the immediate area is underlain by a sandy gravelly loam on top of a cemented sand and gravel referred to in some well logs as conglomerate. Soil permeability is high. Water yields in these gravels is relatively low bud adequate for domestic needs. The major aquifer is in the Yakima Basalt which underlie the sands and gravel and is swift moving.

The water table is shallow (20 feet), mainly because of extensive irrigation in the area during the summer, and also influx from creeks draining the mountains. Ground water flow is believed to be to the southeast toward the Yakima River.[4]

Directions of ground water flow can change as often as four times in a year, because of seasonal changes in precipitation and irrigation, according to Kim Sherwood of Ecology's Central Regional Office (CRO).

3.3 Topography and Drainage

There is approximately 0% site facility slope. Boise has an NPDES permit, WA-00D141-4, for discharge of process waters to the Yakima River, Segment 18-37-92. Boise also has a permitted discharge to the city sanitary sewer system.

There are records of violation in Ecology files of BOD/COD and occasionally pH and temperature for sewer discharge.

There is an on-site drainage collection system which recycles water from log yard sprinkling. The log storage area is not paved so a certain amount of this acidic runoff seeps into the soil.

3.4 Ground Water and Surface Water Uses

The nearest well is an artesian well on site; this is 1000 feet deep.[1] There are some shallow wells in the near vicinity which are less than 69 feet deep.[1] There are approximately 360 public and private wells within three miles of the site, serving greater than 7,000 people.[5,6]

The Yakima River is directly east and northeast of the site. This river is used for recreation, drinking water, and irrigation. Drinking water uptakes are greater than three miles downstream or upstream of the site.

Boise discharges permitted process water from the plywood, saw mill, and log storage yard into the Yakima River.

4.0 Ecology Site Inspection

On August 1, 1986, Suzanne E. Milham, Ecology, performed a Phase One Site Inspection of the Boise Cascade-Yakima site. The inspection began at 11:00 a.m., the weather was hot, 92°F and sunny.

A personal interview was conducted with Dick Godfrey, Regional Engineer, and Jim Jackson, Environmental Engineer of Boise Cascade, to discuss the environmental concerns raised in the 1984 Preliminary Assessment (PA). The concerns in this assessment centered around an on-site landfill in which approximately 9000 pounds of caustic (sodium hydroxide) was buried.

Boise said that this disposal was a one time event necessitated by the overheating of a caustic storage tank. This caused a 50% aqueous solution of caustic to harden into a semi-solid gel, rendering it unusable as a plywood glue catalyst. The caustic was removed from the tank and hauled to a location in the log yard about 600 feet from the plywood plant (Figure 3).

One June 9, 1981, Boise Cascade Corporation notified the U.S. EPA, pursuant to Section 103c of CERCLA, of past (prior to November 1980) hazardous wastes disposal practices at Boise's Yakima wood products complex. The notification was for disposal of about three cubic yards of asbestos and 9000 pounds of sodium hydroxide.

In response to Ecology's concerns over this waste disposal and the potential for resulting ground water contamination from the caustic, Boise Cascade sampled soils "at the best estimated location of the caustic disposal site." Boise's report of this investigation is contained in Appendix A. On June 25, 1985, five test holes were excavated around the area of the landfill. Grab samples of soil from varying depths were tested for pH. A high pH could be indicative of soil contamination with caustic. Most of these samples were slightly to moderately acidic. The highest pH test, 7.59, would be considered slightly alkaline.

Jim Jackson and Dick Godfrey said that they believe that acidic runoff, which contains lignins and tannins from log pile watering, had probably counteracted any alkalinity. It was impossible to view the area of the fill and Boise's investigation because it was being used for log storage.

The PA also raises some concerns about landfilling of ash from an air stripper. Boise says that this ash is actually not from an air stripper, but from a boiler scrubber. This boiler scrubber ash is a waste product resulting from the use of bark as a fuel in an on-site boiler. The bark is mechanically removed from ponderosa pine and fed into the boiler. No toxicity data is available on this waste. This boiler ash or sludge is being landfilled on site (2500 cubic yards/year) along with log-yard wastes, (40,000 cubic yards/year), and this landfill is expected to fill and close in two years (Gretchen Hoy -- personal communication). The landfill is operating without a permit. However, according to Boise Cascade, an inquiry in 1982 determined that a permit was not necessary, and they have not been contacted

regarding this matter since until the late stages of this report. They are now, according to Kim Sherwood, Ecology, Central Regional Office, in the process of obtaining a permit.

The final concern raised by the PA was that waste water from the plant, containing urea formaldehyde based glues, is discharged into an unlined pond on-site. Mr. Jackson said that the glue for this process is made by reacting formaldehyde with phenols which binds up all of these available product into glue. He also said that the water from the glue process is not discharged but is recycled into the process and used again. The unlined pond does receive wastewater discharges from the site and stormwater runoff, which it conducts to the City of Yakima sewage system. There has been at least one instance of a solution of highly caustic soda discharge to this pond (see Sherwood memo, July 6, 1987 - Appendix A) and one instance of a load of what appeared to be green paint in the pond (Kim Sherwood, personal observation). This pond is enclosed by a six-foot, chain-link fence, and another fence encloses the site property time.

The present day operations of the plywood mill were not addressed in this inspection since they are covered under RCRA.

5.0 Results and Discussion

There are believed to be no serious risks associated with past burial of hazardous materials on-site at Boise Cascade. Asbestos insulation which was buried poses no environmental or health threat, as long as it remains covered with soil. Boise Cascade sampled soil "at the best estimated location of the caustic disposal site," and found no aberrant pH effects in the surrounding soil. However, there is no proof that the site was actually found. The area is currently being used for log storage. It is believed that acidic runoff from the logs, which are frequently sprinkled to deter degradation of the wood, will neutralize caustic leaching from this waste (Kim Sherwood, CRO). It is no known whether sodium levels have been elevated in ground water because of this buried material (9000# sodium hydroxide).

Boiler ash disposal of on-site may contain small quantities of heavy metals. No toxicity data is available on this waste, although a plant engineer has estimated the volume landfilled on-site at 2500 cubic yards a year (personal communication, Gretchen Hoy).

Boise contends that plywood glue process water is recycled and not discharged into the unlined evaporation pond; process diagrams also indicated this. They also maintain that the hazardous constituents of these glues are bound up during formulation and are no longer hazardous once mixed. Ecology files record violations of BOD/COD, and a large volume of caustic soda solution was discharged into the unlined pond and sewer system by the plant around March 28 of this year. Also an unknown volume of green paint was disposed of in this manner.

However, there was no evidence of hazardous waste storage and/or disposal on-site during this inspection.

6.0 Conclusions and Recommendations

Boise Cascade is working with Ecology's Central Regional Office to comply with state regulations in the operation of their woodwaste landfill. As part of that process, they will characterize the boiler ash under Washington State's Dangerous Waste regulations.

A concrete lining and manhole cover for the presently unlined evaporation pond would ensure that it is not open to dumping and not a source of ground water problems in the future.

There is no need for further CERCLA evaluations or actions at this facility. A current RCRA and/or Ecology regional site inspection should be carried out to determine if present operations surrounding ash disposal and the plywood mill are in order.

References

1. 1984 USEPA Preliminary Assessment Report.

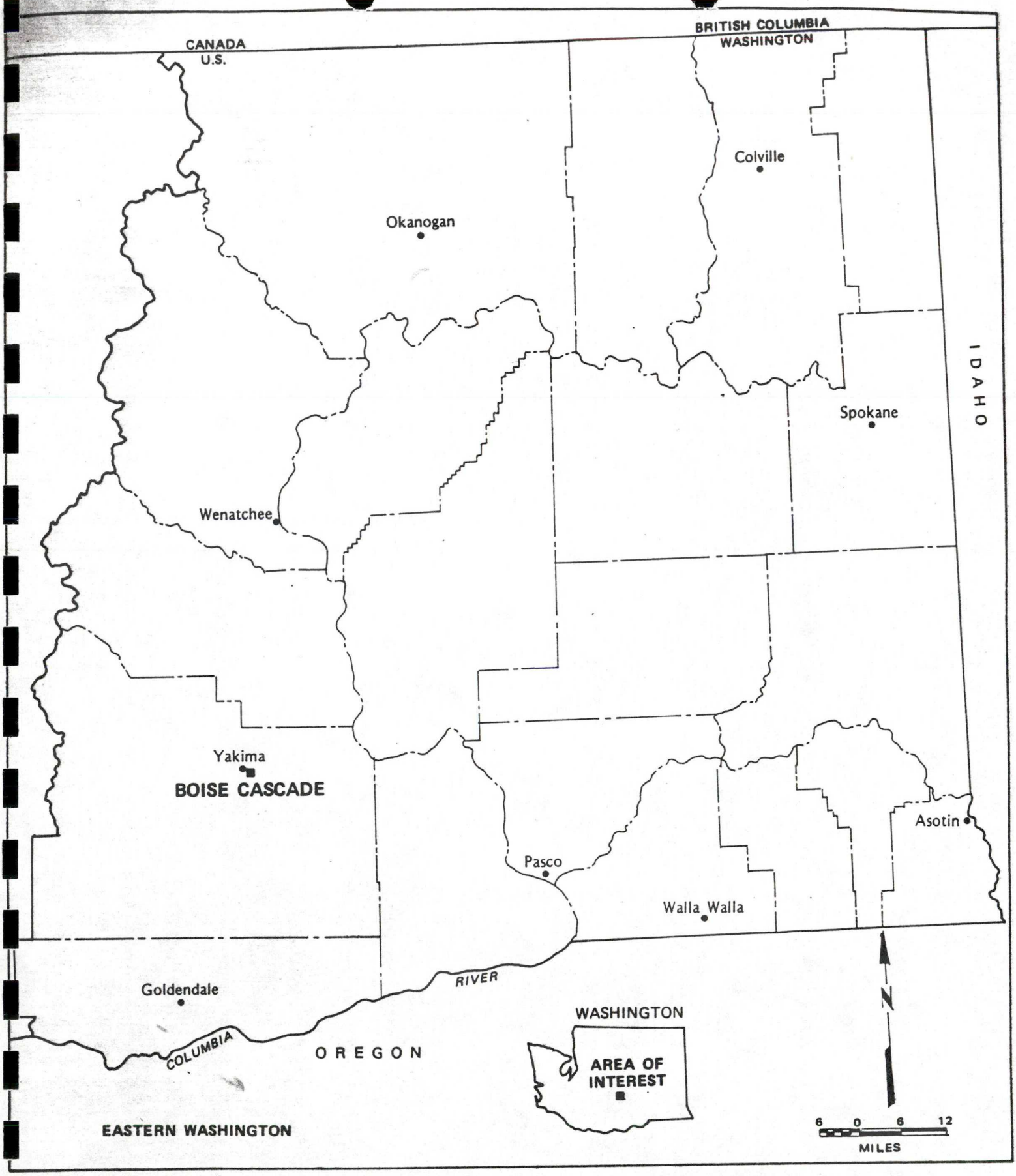
2. Climate Atlas of the United States (i.e., Department of Commerce, 1986)

3. Climatological Data Annual Summary Washington, 1984, Volume 88, #13.

4. Personal Communications with Dennis Bowhay, CRO, Ecology.

5. Ecology Well Logs.

6. 1980 Federal Census.



LOCATION MAP, BOISE CASCADE, YAKIMA COUNTY, WASHINGTON.

ANDREA BEATTY RINIKER
Director

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

July 24, 1986

Mr. Greg Duff
Boise Cascade Company
805 N. 7th Street
Yakima, WA 98901

Dear Mr. Duff:

Pursuant to our recent telephone conversation, I would like to confirm our scheduled meeting on August 1 at 10:00 a.m.

I am enclosing a copy fo the EPA Site Inspection Form 2070-13 for your review. Please complete to the best of your knowledge/ability sections 4.II, 8, 9, and 10, where applicable.

You will receive a copy of the entire report when it has been through our review process, and finalized by EPA.

I appreciate your cooperation and look forward to meeting you.

Sincerely,

Suzanne Milham
Hazardous Waste Cleanup Program

SM:jv

Enclosure

ANDREA BEATTY RINIKER
Director

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

MEMORANDUM

August 19, 1986

TO: The Boise Cascade File
WAD980185805

FROM: Suzanne E. Milham

SUBJECT: Phase I Site Inspection

On August 1, 1986, I performed a site inspection at the Boise Cascade Company in Yakima, Washington. The weather was hot, 92 degrees and sunny. I arrived at Boise at 11:00 a.m. and met with Dick Godfrey, Regional Engineer and Jim Jackson, the Group Engineer to discuss the 1984 Preliminary Assessment.

The concerns in this assessment center around an onsite landfill in which approximately 9000 pounds of caustic was buried. Boise said that the dumping of this caustic was a one time only event, which occurred when the caustic gelled, making it unuseable. Boise has since done significant sampling of the soil in the area of this landfill. No excess of alkalinity was detected. Jim Jackson and Dick Godfrey said that they believed that the acidic runoff which contains lignins and tanins from log pile watering has probably counteracted any alkalinity, which was present in the soil from the caustic. I could not see the area of this landfill or the sample locations because they were covered up with large piles of logs. This area is now being used as a log store yard, as is much of the property.

The Preliminary Assessment also raises some concerns about landfilling of ash from an air stripper, which may contain heavy metals. Boise says that this ash is actually not from an air stripper but from a boiler scrubber. Boise also had results from EP toxicity tests which showed these ashes to be non-toxic to fish.

The Preliminary Assessment mentioned that waste water from the plant containing urea-formaldehyde based glues and phenols is discharged on site. Boise contends tha the glue is made by reacting the formaldehyde with the phenols which binds up all of the available products into the glue. Boise says that the water from the glue process is not discharged but is recycled into the process and used again. Boise also says that this water does not contain any phenol or formaldehyde.

SEM/drm

ANDREA BEATTY RINIKER
Director

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

3601 West Washington • Yakima, Washington 98903-1164 • (509) 575-2800

RECEIVED
'85 NOV 12 A11 :05
DEPT. OF ECOLOGY
OLYMPIA, WA.

MEMORANDUM

TO: Ned Therien

FROM: Dennis Bowhay DB

SUBJECT: Boise Cascade Corp. - Superfund Notification

DATE: November 8, 1985

I have enclosed a copy of the rationale Boise Cascade has put together for reducing the priority on their priority assessment rating. I've already explained to Jim Jackson that regardless of the priority there will probably be a site investigation on the site. He doesn't have a problem with that.

I agree with Boise Cascade that because of the moderately acidic soil (caused by irrigation percolation from the log storage) that the caustic would be neutralized over time. I also agree that considering the site in total that the relative risk from the caustic disposal is very small. There is some question of whether or not the soil samples were taken at the exact location of the caustic disposal site since they were basing the location on the recollection of workers. I do question whether or not the site deserves a medium priority and would support consideration of lowering the priority to a low priority. If you have any questions please do not hesitate to contact me.

DB:ska

Enclosure

Dennis says no response needed.
Ned Therien

Timber and Wood Products Group

Boise Cascade

Environmental and Energy Services
P.O. Box 8328
Boise, Idaho 83707
208/384-6458

November 6, 1985

Mr. Dennis Bowhay
Washington Department of Ecology
3601 West Washington Avenue
Yakima, WA 98903

Subject: Boise Cascade Corporation -- Yakima, Washington

Dear Dennis:

On June 12, 1985, I met with you to discuss Boise Cascade's Yakima plant site Superfund Notification. At that time, we were performing soil explorations in the area of the caustic disposal site. Enclosed is a copy of "Superfund Notification -- Reclassification Request," which contains the results of our explorations. As discussed in greater detail in the enclosed document, Boise Cascade requests that its priority assessment rating be reclassified to "none" based on the findings of the exploration and the characteristics of the site.

Please advise, at your earliest convenience, as to the Department's determination concerning our request.

If you have any questions, please feel free to give me a call.

Yours truly,

Jim Jackson

James C. Jackson, PE
Environmental Engineer

JCJ/T75284Ef

Enclosure

cc: Dick Godfrey -- Yakima
Brian King -- Boise

SUPERFUND NOTIFICATION -- RECLASSIFICATION REQUEST

BOISE CASCADE CORPORATION

TIMBER AND WOOD PRODUCTS GROUP

YAKIMA, WASHINGTON -- WOOD PRODUCTS COMPLEX

NOVEMBER 1985

Prepared By: Environmental and Energy Services

T25281D

A. INTRODUCTION

On June 9, 1981, Boise Cascade Corporation (BCC) notified the U.S. Environmental Protection Agency (EPA), pursuant to Section 103 C of the Comprehensive Environmental Response, Compensation and Liability Act (Superfund), of past (prior to November 1980) hazardous waste disposal practices at BCC's Yakima Wood Products Complex. The Notification was for disposal of about three cubic yards of asbestos and 9,000 pounds of sodium hydroxide (caustic).

A Potential Hazardous Waste Site Preliminary Assessment was completed on November 20, 1984, by the Washington Department of Ecology (WDOE) in conjunction with EPA and JRB Associates of Bellevue, Washington. The Preliminary Assessment assigned a "medium" priority assessment to BCC's Yakima plant site. A "medium" ranking is assigned when a potential health hazard or environmental threat is suspected based on evidence from sampling, from direct observation by a regulatory agency or site operator or from a history of problems at the site. The Preliminary Assessment did not consider asbestos to be a significant problem. The principal reason stated for the "medium" ranking was potential groundwater contamination from caustic.

Because of the concern over potential groundwater contamination from the caustic, Boise Cascade performed additional investigations which are the subject of subsequent sections of this report.

B. CAUSTIC DISPOSAL DETAILS

Disposal of 9,000 pounds of caustic at the Yakima plant site was a one-time event which was necessitated by the overheating of a caustic storage tank. This caused a 50% aqueous solution of caustic to harden into a semisolid gel, rendering it unusable as a plywood glue catalyst. The caustic was removed from the storage tank and hauled to a location in the log yard about 600 feet south of the plywood plant (see attached Site Plan -- Test Hole No. 1). A shallow excavation (estimated less than three feet) was created, and the caustic was placed in the excavation. The excavation was then backfilled with the material initially removed.

C. SOIL SAMPLING PROGRAM

On June 12, 1985, five test holes were excavated as shown on the attached Site Plan. Test Hole No. 1 was placed at the best estimated location of the caustic disposal site. Test Holes 2 through 5 were placed at 90° intervals around a circle of 100-foot radius with Test Hole No. 1 being the center. Each Test Hole location was then excavated. Grab samples of soil from varying depths were tested for pH. A high pH could be indicative of soil contamination with caustic. The results of the pH analyses are presented in Table No. 1.

Table No. 1
Soil pH Results
Caustic Disposal Site

Hole No.	Depth (Ft.)	pH
1	5	6.11
	8	6.40
	13	5.89
2	4	4.82
	9	7.11
3	5	5.83
	10	5.94
4	4	6.21
	8	5.92
5	4	7.08
	8	7.59

As can be seen from the pH test results, most samples were slightly to moderately acidic. The highest pH test (7.59) would be considered only slightly alkaline.

D. REQUEST FOR RECLASSIFICATION

The "medium" priority ranking is inappropriate because:

1. There is no sampling evidence of an environmental threat.

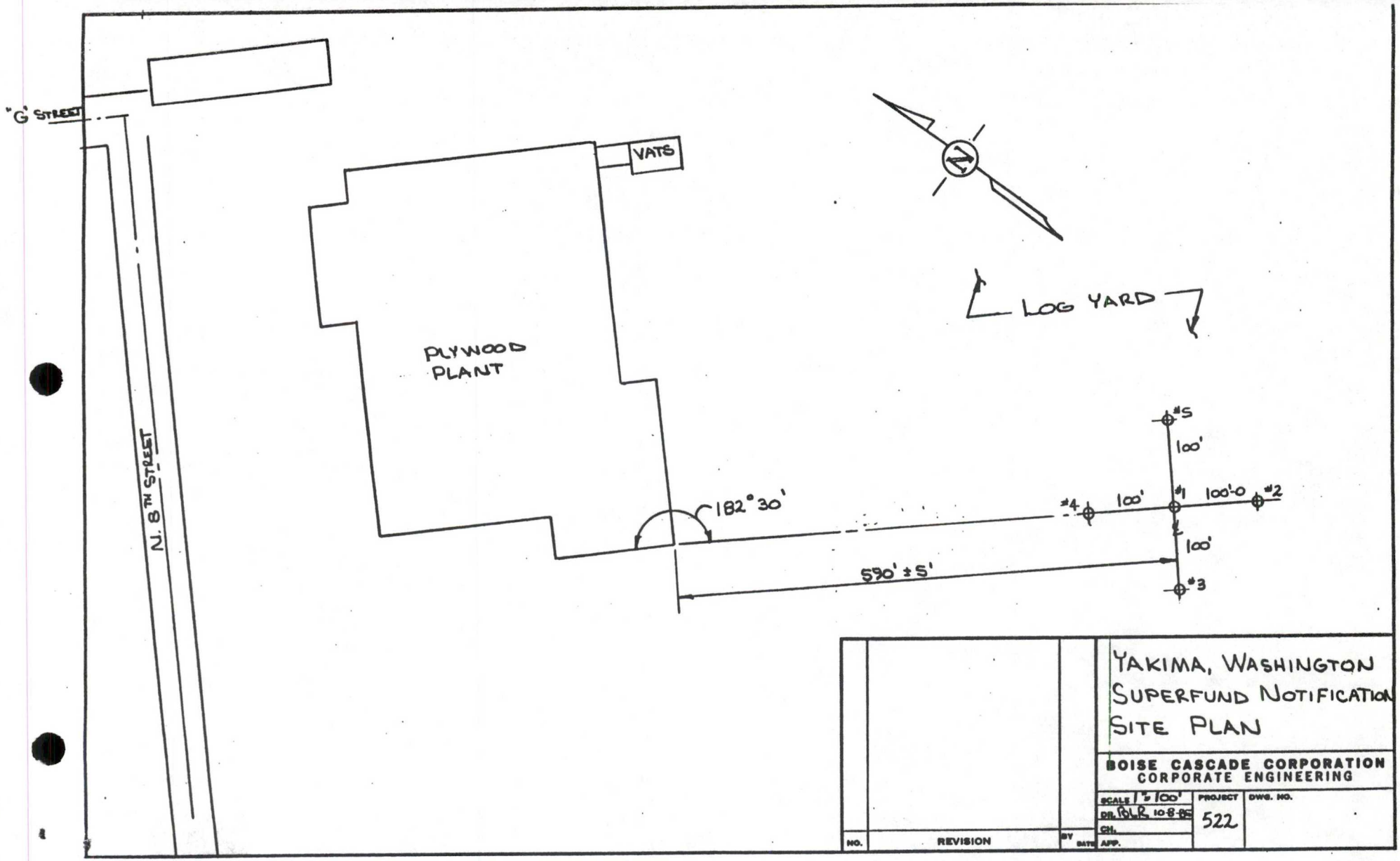
2. There has been no direct observation of an environmental threat by a regulatory agency or the site operator.

3. There is no history of problems at the site.

Boise Cascade Corporation requests that the priority ranking for the site be changed to "none" for the following reasons:

1. No evidence has been found to suspect an environmental problem at the site.

2. Soil at the site is moderately acidic and would be expected to neutralize the relatively small quantity of caustic disposed.



NO.	REVISION	BY	DATE

YAKIMA, WASHINGTON
SUPERFUND NOTIFICATION
SITE PLAN

BOISE CASCADE CORPORATION
CORPORATE ENGINEERING

SCALE	PROJECT	DWG. NO.
1" = 100'	522	
DR. DLR 10-8-85		
CH.		
APP.		

ANDREA BEATTY RINIKER
Director

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

October 23, 1986

Mr. Tom Owens
MS EX-12
Non-Game Data Systems

Dear Mr. Owens:

I am writing pursuant to our conversation of October 22, 1986 in regard to the endangered species habitat location information. I would like to know if there are any endangered species, or protected habitats within three miles of the coordinates of the following potential hazardous waste sites.

If possible, please designate if the species and their habitats are federally or state designated.

1. Weyerhaeuser Co. Box Plant, Olympia, Latitude: 47/10/56. Longitude: 122/46/32.

2. Whatcom County Acme Landfill, Acme, Latitude: 48/43/36.0.

3. Everson-Goshen Disposal Site, Everson, Latitude: 48/55/12.0.

4. The Thermal Reduction Company, Ferndale, Latitude: 48/49/09.0.

5. The Tri City Herald, Kennewick, Latitude: 46/12/55.0.

6. Boise Cascade Co., Yakima, Latitude: 46/37/30.0.

7. Allied Corp., Kennewick, Latitude: 46/10/33.0.

8. Tam Engineering, Tacoma, Latitude: 47/14/00.0. Longitude: 122/28/~~38.0~~ 38.0.

9. Yakima Old City Landfill, Yakima, Latitude: 46/36/15.0. Longitude: 120/28/33.0.

10. Kenmar Company, Ferndale, Latitude: 48/51/34. Longitude: 122/42/12.

Please call me at 459-6319 if you have any questions or require more specific information. My mailing address is: MS-PV-11, Washington State Department of Ecology, Hazardous Waste Cleanup Program, 98504.

Thank you for your help.

Sincerely,

Suzanne E. Milham

Suzanne E. Milham
Hazardous Waste Cleanup Program

SEM:bc

Department of Natural Resources

BRIAN J. BOYLE
Commissioner of Public Lands

Washington Natural Heritage Program
Division of Private Forestry and Recreation
Mail Stop: EX-13
Olympia, Washington 98504
(206) 753-2449

November 7, 1986

Suzanne Milham
Department of Ecology
Hazardous Waste Cleanup Program
Mail Stop: PV-11
Olympia, WA 98504-8711

Subject: Ten Potential Hazardous Waste Sites

We have completed a search of the Natural Heritage Data System for your study area. At this time we do not have data on special plant species or high quality native plant communities near the area you specified. Information on special animal species will be provided, under separate cover, by the Washington Department of Game, Nongame Program.

Please be aware that the Data System is not exhaustive. There may be special plants or native plant communities occurring in your study area that we do not yet know about. Therefore, this information is not to be taken as a complete inventory of the project area and does not eliminate the need or responsibility to conduct more thorough research.

Please cite the Natural Heritage Data System, as follows, if this letter is referenced in publications or correspondence by your office.

> Natural Heritage Data System
> Washington Department of Natural Resources, Natural Heritage Program and
> Washington Department of Game, Nongame Program, Mail Stop: EX-13
> Olympia, WA 98504.

I hope this information will be useful to you. Please feel free to contract me at (206) 753-2449 or (SCAN: 8-234-2449), if you have any further questions.

Sincerely,

Nancy Sprague

Nancy Sprague
Assistant Data Manager

State of Washington
Department of Ecology

TELEPHONE RECORD

Date August 31, 1987

Time 2:00 ☐ a.m. ☒ p.m.

☐ CALLED BY
☒ CALLED

Mr./Ms. Gretchen Hoy

Address Boise Cascade Headquarters

Telephone (208) 384-6458

Representing Boise Cascade

Project Site Insepction Boise Cascade Yakima

Discussed Landfill practices, present and historical. According to 1982 estimates, waste production is as follows: 2,500 cu. yds./year - Sludge from boiler; 40,000 cu. yds./year - Log yard waste

A plant engineer believes that these figures also reflect present volumes.

These wastes are landfilled on site. The landfill is not permitted. According to Gretchen, the company last inquired in 1982. They were told that such a permit is not necessary. The law changed in 1985, but the company, she says, was not aware of it. Recently they learned of the change and are in the process of applying for such a permit. A trash separator is in the budget for 1989. The landfill area will be full in two years.

The 9000# of sodium hydroxide that hardened and was buried on site was never tested. It is the caustic additive to the glue.

All the SI says that boiassays were performed on scrubber ash, Gretchen cannot find any indicator of this in the records. She says that ash is landfilled on other sites though.

I inquired about the bark soaked with boiler ash that had been dumped not more than 10 feet from the Yakima River, near the highway bridge. She said that that area had been donated for a park, and that it had been filled in with alot of log yard debris.

She suggested we contact Dick Godffrey at the plant if we want tests performed on the ash.

Signed Peter Douglas

ECY 010-46(b)

State of Washington
Department of Ecology

TELEPHONE RECORD

Date July 6, 1987

Time 2:30 ☐ a.m. ☒ p.m.

☐ CALLED BY
☐ CALLED

Mr./Ms. Kim Sherwood

Address Central Regional Office, DOE
Yakima, WA

Telephone (509) 457-7108

Representing Central Regional Office/Department of Ecology

Project Boise Cascade/Yakima, Data for site inspection report and received information on recent spill incident.

Discussed I requested information on the disposal of boiler ash generated on site and any other pertinent information. Sherwood brought me up to date on a reent spill incident.

On the morning of Monday, March 30, the Yakima Municipal Sewage Treatment Plant notified Sherwood that the bacteria in the activated sludge was dying and that obviously a toxic concentration of some material was entering into the system.

Sherwood traced the problem to Boise Cascade via manholes. The company offered the following chronology- The problem bagan with the block vat in which logs are bathed with a caustic soda. The pH meter was broken and excessive amounts of potassium and sodium hydroxides were added, creating a very alkaline bath. The company claims that an employee noticed that there was too much water in the basin on the evening of Saturday, March 28. He pumped the solution into a storm catchwater basin which drained into the municipal sewage system. Many hours later, on MOnday, when Boise Cascade sampled, the basin, they measured the pH as 11.0. It can be assumed that the pH of the solution that entered the sewer was at least as high.

Sherwood said that he was at first skeptical that as small amount of this material could produce such a heavy kill. However, he said that the caustic pumped over the wood had stripped the lignin of all hydrogen ions creating a sharper, buffered solution. Sherwood suggests that the pH might have risen as high as 12 or 13. He said that his investigation ascertained that there is no means for liquid escape in the process at Boise Cascade. There are three sewer discharge points at Boise Cascade including sanitary waste, a plywood glueing area and a process water collection area.

Boise Cascade told Sherwood that the boiler ash is not a hazardous waste, that it has been delisted and that they are burying it on site. Sherwood has asked the company to locate the landfill and to determine how much ash is buried there. (OVER)

Signed

Signed Peter Douglas

ECY 010-46(b)

Sherwood said that bark that ths been soaked with boiler ash is dumped not more than 10 feet form the Yakima River. He will pass on more information as he obtains it and requested that I supply him with any information that I can on the nature of this boiler ash.

State of Washington
Department of Ecology

TELEPHONE REPORT

Call From: Gretchen Hoy
Boise Cascade

Date: 9/11/87

Time: 10:30 am pm (circle)

Phone No.:

Call To: Heather Douglas

Subject: Unlined discharge pond

Summary: Boiler ash/sludge

Informed me that a 6 ft. high chain link fence had been erected around the pond 2 years ago and that a fence also encloses the property line. She asked me to inquire w. solid waste about whether boiler sludge ash has been reclassified, which I will do on 9/14/87.

Signature Heather Douglas

Date 9/14/87

ECY 010-46(a)

State of Washington
Department of Ecology

TELEPHONE REPORT

Call From: Brett Betts

Date: 9/15/87

Time: am pm (circle)

Phone No.: 459-6258

Call To: Heather Douglas

Subject: Boise Cascade's Woodwaste Landfi

Summary:

Woodwaste landfills as of May 198 are required to provide leachate collection systems with liners or a system of monitoring wells.

Boiler ash is usually not a dangerou waste.

Regulations require that an EP toxicity test for metals and a total metals test be done on the ash.

Signature Heather Douglas

Date 9/15/87

ECY 010-46(a)

State of Washington Department of Ecology

TELEPHONE REPORT

Call From: Hector Douglas Date: July 14, 1987

Time: ____ am-pm (circle)

Phone No.: ____

Call To: ____

Subject: I called:

Summary: Dave Saunders,
Ecology Hazardous Waste
Ecology Solid Waste
Art McEwan (509) 575-4258
Yakima County Health District
Yakima County Solid Waste
John Hadikson
Community and Economic Development
City of Yakima SCAN 278-6113
pertaining to delisting and permit for landfilling boiler ash at Boise Cascade. No information available from any of these sources.

Signature Hector Douglas

Date 7-14-87

ECY 010-46(a)

State of Washington Department of Ecology

TELEPHONE REPORT

Call From: Dick Godffrey Date: 9/8/87

Time: 1:45 am-pm (circle)

Phone No.: (509) 453-3131

Call To: Hector Douglas

Subject: Boise CAscade - Yakima

Summary: 1) What has been landfilled on site?

a) Sludge or scrubber ash from boiler - bark removed mechanically from ponderosa pine, used as fuel in a boiler. A wet scrubber in base of boiler removes the ash sludge.

b) Log yard waste - residue that falls off logs.

2) Has the landfill received old transformers, wood treating chemicals, hardened glue? NO

3) Is all glue waste recycled in process? YES

4) Have any hazardous materials been discharged to unlined collection pond? NO Caustic by accident in May but not considered hazardous.

Signature ____

Date ____

ECY 010-46(a)

TARGET SHEET: Oversized Document

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Oversized Document Title (if any):

Map of Yakima and Vicinity from Boise Cascade Yakima Superfund Site Inspection Report, September 1987

Region 10
1200 Sixth Ave.
Seattle, WA 98101

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D980185805

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER					
Boise Cascade - Yakima Site	805 N. 7th Street					
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**		**07 COUNTY CODE**	**08 CONG DIST**
Yakima	WA	98901	Yakima		077	04

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
46 37 30	120 36 25	[X] A. PRIVATE [ ] B. FEDERAL _____ [ ] C. STATE [ ] D. COUNTY [ ] E. MUNICIPAL [ ] F. OTHER _____ [ ] G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
8 / 1 / 86 (MONTH DAY YEAR)	[X] ACTIVE [ ] INACTIVE	1940's (BEGINNING YEAR) | Present (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

[ ] A. EPA [ ] B. EPA CONTRACTOR _____ (Name of firm) [ ] C. MUNICIPAL [ ] D. MUNICIPAL CONTRACTOR _____ (Name of firm)
[X] E. STATE [ ] F. STATE CONTRACTOR _____ (Name of firm) [ ] G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Suzanne E. Milham	Environmentalist 3	Ecology	(206) 438-3014
09 OTHER INSPECTORS	**10 TITLE**	**11 ORGANIZATION**	**12 TELEPHONE NO.**
			( )
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Dick Godfrey	Regional Engineer	PO Box 8228 BoiseID 83707	(208) 384-6458
Jim Jackson	Group Engineer	805 N. 7th Street Yakima, WA 98901	(509) 453-3131
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
[X] PERMISSION [X] WARRANT	11:00 AM	Hot Sunny 92*F

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Suzanne E. Milham	WA State Department of Ecology	(206) 438-3014

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Suzanne E. Milham	Ecology	WA State	206-438- 3014	01 / 22 / 87 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	0980185805

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- A. SOLID
- B. POWDER, FINES
- C. SLUDGE
- D. OTHER (Specify)
- E. SLURRY
- F. LIQUID
- G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS
- CUBIC YARDS
- NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- X A. TOXIC
- X B. CORROSIVE
- C. RADIOACTIVE
- X D. PERSISTENT
- E. SOLUBLE
- F. INFECTIOUS
- G. FLAMMABLE
- H. IGNITABLE
- I. HIGHLY VOLATILE
- J. EXPLOSIVE
- K. REACTIVE
- L. INCOMPATIBLE
- M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
X IOC	INORGANIC CHEMICALS	3	Cubic Yds.	Asbestos from insulation landfilled
ACD	ACIDS			
X BAS	BASES	4.5	Tons	Hardened Caustic gell
MES	HEAVY METALS			Sodium Hydroxide

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

CERCLA 103(c) Notification 6//9/81

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WA	0980185805

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 X A. GROUNDWATER CONTAMINATION — 02 ( ) OBSERVED (DATE) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

Soil Samples of caustic disposal area showed no caustic PH contamination. Landfilled scrubber ashes have passed Eptox testing. No potential ground water contamination suspected.

01 X B. SURFACE WATER CONTAMINATION — 02 ( ) OBSERVED (DATE) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

None reported. Nearest SW is directly E. and NE of site (Yakima River). Facility has permitted NPDES discharges to the river. Records show violations of BOD/COD and PH.

01 X C. CONTAMINATION OF AIR — 02 ( ) OBSERVED (DATE) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

None reported. Facility has plywood plant. Air stripper is present on stacks.

01 X D. FIRE/EXPLOSIVE CONDITIONS — 02 ( ) OBSERVED (DATE) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

No known certified fire threat

01 X E. DIRECT CONTACT — 02 ( ) OBSERVED (DATE) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

Site is fenced on street side. Access via river is possible but chances of this are remote.

01 X F. CONTAMINATION OF SOIL — 02 ( ) OBSERVED (DATE) — POTENTIAL — ALLEGED
03 AREA POTENTIALLY AFFECTED: 10- — 04 NARRATIVE DESCRIPTION

Soils are gravelly alluvium with high permeability. Asbestos and sodium hydroxide gelled glue caustic were buried on site. 1985 soil sampling showed no contamination of soil PH. Caustic is believed to have been neutralized.

01 X G. DRINKING WATER CONTAMINATION — 02 ( ) OBSERVED (DATE) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

None reported or suspected

01 X H. WORKER EXPOSURE/INJURY — 02 ( ) OBSERVED (DATE) — POTENTIAL — ALLEGED
03 WORKERS POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

No known threats to the workers through exposure to hazardous materials.

01 X I. POPULATION EXPOSURE/INJURY — 02 ( ) OBSERVED (DATE) — POTENTIAL — ALLEGED
03 POPULATION POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

None reported or suspected.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D980185805

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 [X] J. DAMAGE TO FLORA — 02 [ ] OBSERVED (DATE) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

None reported or suspected.

01 [X] K. DAMAGE TO FAUNA — 02 [ ] OBSERVED (DATE) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION (Include names(s) of species)

None reported or suspected.

01 [X] L. CONTAMINATION OF FOOD CHAIN — 02 [ ] OBSERVED (DATE) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

None Reported or suspected

01 [X] M. UNSTABLE CONTAINMENT OF WASTES (Spills, Runoff, Standing liquids, Leaking drums) — 02 [ ] OBSERVED (DATE) [ ] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

Asbestos and caustic were landfilled in unlined pits in 1981.

01 [X] N. DAMAGE TO OFFSITE PROPERTY — 02 [ ] OBSERVED (DATE) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

None reported or suspected.

01 [X] O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 [ ] OBSERVED (DATE) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

None reported; facility has permited intermittant discharge from plywood plant evaporation pond to city sewer system.

01 [X] P. ILLEGAL/UNAUTHORIZED DUMPING — 02 [ ] OBSERVED (DATE) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

None reported or suspected.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None known.

III. TOTAL POPULATION POTENTIALLY AFFECTED:

IV. COMMENTS

Soil samples taken in 1981 by Boise showed no PH contamination from caustic. Stripperash has not failed Eptoxicity testing and is being landfilled on site.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA/ERRIS files; Ecology files 1984 USEPA preliminary assessment
Yakima W&E Quad(1984 & 1953 USGS)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	B98018805

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
X A. NPDES	WA-000141-4	May 17'83	5-16-88	
B. UIC	None			
C. AIR	None			
D. RCRA	None			
E. RCRA INTERIM STATUS	None			
X F. SPCC PLAN	NA	Aug.'85	Aug. '88	
G. STATE (Specify)	None			
H. LOCAL (Specify)	None			
I. OTHER (Specify)	None			
J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
A. SURFACE IMPOUNDMENT		
B. PILES		
C. DRUMS, ABOVE GROUND		
D. TANK, ABOVE GROUND		
E. TANK, BELOW GROUND		
X F. LANDFILL	4.5	tons
G. LANDFARM		
H. OPEN DUMP		
I. OTHER (Specify)		

04 TREATMENT (Check all that apply)
- A. INCENERATION
- B. UNDERGROUND INJECTION
- C. CHEMICAL PHYSICAL
- D. BIOLOGICAL
- E. WASTE OIL PROCESSING
- F. SOLVENT RECOVERY
- G. OTHER RECYCLING/RECOVERY
- H. OTHER

05 OTHER
- X A. BUILDINGS ON SITE

06 AREA OF SITE
less than 10 (Acres)

07 COMMENTS
Boise has permittes WPDES discharge to the Yakima River; there are documented violations of BODKOD and PH. There is also a permit for discharges to city sewer system from the plywood mill evaporation pond.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)
- A. ADEQUATE, SECURE
- X B. MODERATE
- C. INADEQUATE, POOR
- D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.
Wastes were landfilled in unlined pit. 1986 soil analyses done by Boise revealed no elevations in PH from caustic dumping.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE - YES X NO

02 COMMENTS
Waste is buried, site access is restricted, logs are piled on top of landfill site

VI. SOURCES OF INFORMATION (Cite specific references, e.g., State files, sample analysis, reports)

1985 Aug. 1, Ecology site inspection. Ecology CRO files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE: WA | 02 SITE NUMBER: B980185805

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A. X	B. X
NON-COMMUNITY	C. ☐	D. ☐

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. X
D. ☐	E. ☐	F. ☐

03 DISTANCE TO SITE

less than
A. 1 (mi)
B. 3 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING | X B. DRINKING (Other sources available); COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) | ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) | ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER: over 7000

03 DISTANCE TO NEAREST DRINKING WATER WELL: on site (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
10 (ft)	NE	70 (ft)	(gpd)	☐ YES X NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and building):

There is an artesian well on site over 1000 ft. deep.

10 RECHARGE AREA		11 DISCHARGE AREA	
☐ YES	COMMENTS	X YES	COMMENTS 12 flowing artesian wells in area
X NO		☐ NO	

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☐ A. RESERVOIR, RECREATION DRINKING WATER SOURCE | X B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES | ☐ C. COMMERCIAL, INDUSTRIAL | ☐ D. NOT CURRENTLY USED

02 AFFECTED POTENTIALLY AFFECTED BODIES OF WATER

NAME	AFFECTED	DISTANCE TO SITE
Yakima River	☐	more than 1 (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 4700 NO. OF PERSONS	B. 40,000 NO. OF PERSONS	C. 48,500 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: more than ¼ (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
less than 2600	more than ¼ (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Site is in a mixed residential/commercial area of NE Yakima. Three parks and five schools are within one mile.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	B980185805

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☒ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm sec.) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
(ft)	NA (ft)	6.6-7.8	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
-16.9" (in)	1" (in)	0 %		0 %

09 FLOOD POTENTIAL

SITE IS IN _____ YEAR FLOODPLAIN

10 SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
* A. ¼ (mi)	B. (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

none (mi)

ENDANGERED SPECIES: state designated species of concern

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS	
		PRIME AG LAND	AG LAND
more than	more than	less than	
A. ¼ (mi)	B. ¼ (mi)	C. 1 (mi)	D. (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The Yakima River is west of the site within 1/16 mile. There is a 10% gradient slope in this direction fowards the river. There is a 0% site slope gradient. Directly to the west of the site there is a residential area.

* There 15 acres of palustrine emergent wetlands ¼ mile North of this facility

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NOAA Climatological Survey 1985, USGS soil Conservation Bulletin.
Yakima Boise Cascade Sources

See Attachment

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D980185805

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	11*		
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL		*Samples were collected and analyzed for PH by Boise Cascade in area of landfill. No PH contamination was detected	
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE X GROUND AERIAL

02 IN CUSTODY OF Ecology (Name of organization or individual)

03 MAPS X YES NO

04 LOCATION OF MAPS in Ecology 1987 Report

V. OTHER FIELD DATA COLLECTED (Plot, narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis reports)

November 1985 Superfund notification reclassification request, Boise Cascade, prepared by Environmental and Energy Services.
Ecology August 1, 1986 site Inspection.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D 980185805

II. CURRENT OWNER(S) | **PARENT COMPANY** *(If applicable)*

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Boise Cascade			

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
805 N. 7th St.			

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
Yakima	WA	98901			

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) *(List most recent first)* | **IV. REALTY OWNER(S)** *(If applicable, list most recent first)*

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	980185805

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
Boise Cascade Corporation	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
805 N. 7th Street	2421 / 2436

05 CITY	06 STATE	07 ZIP CODE
Yakima	WA	98901

08 YEARS OF OPERATION	09 NAME OF OWNER
30+	Boise Cascade Corporation

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER
Boise Cascade Corporation	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE
P.O. Box 8328	NA

14 CITY	15 STATE	16 ZIP CODE
Boise	ID	83707

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

01 NAME	02 D+B NUMBER	10 NAME	11 D+B NUMBER
NONE			

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

01 NAME	02 D+B NUMBER	10 NAME	11 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

01 NAME	02 D+B NUMBER	10 NAME	11 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1986 August 1, Ecology Site Inspection

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D 980185805

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
Boise Cascade Corporation	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
805 N. 7th Street	2421/2436

05 CITY	06 STATE	07 ZIP CODE
Yakima	WA	98901

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
NA			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1986 August 1, Ecology Site Inspection

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WA	D980185805

II. PAST RESPONSE ACTIVITIES

01 X A. WATER SUPPLY CLOSED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X D. SPILLED MATERIAL REMOVED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X E. CONTAMINATED SOIL REMOVED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X F. WASTE REPACKAGED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X G. WASTE DISPOSED ELSEWHERE — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 XX H. ON SITE BURIAL — 02 DATE — 03 AGENCY
04 DESCRIPTION
Caustic wastes, asbestos and air stripper ash landfilled on site

01 X I. IN SITU CHEMICAL TREATMENT — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X J. IN SITU BIOLOGICAL TREATMENT — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X K. IN SITU PHYSICAL TREATMENT — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X L. ENCAPSULATION — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X M. EMERGENCY WASTE TREATMENT — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X N. CUTOFF WALLS — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X O. EMERGENCY DIKING SURFACE WATER DIVERSION — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X P. CUTOFF TRENCHES SUMP — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X Q. SUBSURFACE CUTOFF WALL — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D980185805

II PAST RESPONSE ACTIVITIES (Continued)

01 X | R. BARRIER WALLS CONSTRUCTED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | S. CAPPING/COVERING — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | T. BULK TANKAGE REPAIRED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | U. GROUT CURTAIN CONSTRUCTED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | V. BOTTOM SEALED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | W. GAS CONTROL — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | X. FIRE CONTROL — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | Y. LEACHATE TREATMENT — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | Z. AREA EVACUATED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | 1. ACCESS TO SITE RESTRICTED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | 2. POPULATION RELOCATED — 02 DATE — 03 AGENCY
04 DESCRIPTION
NONE

01 X | 3. OTHER REMEDIAL ACTIVITIES — 02 DATE — 03 AGENCY
04 DESCRIPTION
No remedial activities have taken place at this facility

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Ecology CRO Files, 8/1/86 Ecology Site Inspection, USEpA CERCLIS files and 1984 USEpA preliminary assessment report.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WA	D080185805

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY ENFORCEMENT ACTION YES X NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY ENFORCEMENT ACTION

There is no record of regularoty action having been taken at this facility. Violations of NPDES discharge parameters to the Yakima River for COD/BOD and PH are noted in Ecology CRO files

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

USEPA 1984 preliminary Assessment, Ecology DRO files, 8/1/86
Ecology Site Inspection

ATTACHMENT

Yakima Boise Cascade Sources

05 Soil Survey of Yakima Co. (S.C.S.)
Description of site and well logs in preliminary site assessment

06 Plate 2 Mean Annual precipitation in WA, 1930-1957, U.S.Weather bureau (1965); Evapotranspiration maps for state of Washington, U.S. Weather Bureau, Office of State Climatologists, Seattle/U.S. Department of Agriculture, Soil Conservation Service, Spokane

07 "10"Isopluvials of 2-year 24-hour precipitation in tenths of inches annually; prepared by Department of Commerce for Department of Agriculture.

11 National Wet lands Inventory Map
U.S. Fish & Wildlife
Yakima East and West Quads

12 Natural Heritage Data System
Washington Department of Natural Resources and Department of Game - Nongame Wildlife Program
c/o Mail Stop EX-12
Olympia, WA 98504

13 Yakima East and West Quads
USGS Topographical Maps


Boise Cascade

Boise Cascade -Yakima Facility
August 1, 1986

All photographs taken be Suzanne Milham, using a CANNON Sureshot 35mm Automatic Focus and 100 ASA film.


Boise Cascade
Remember to
Work Safely

Boise Cascade Wood products division, views of the lumber mill and plywood facilities.
8-1-86